Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/01/2016 11:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124685	-1	3.40	124556	3.39
Blue	F	SSC	125000	124246	-1	5.65	125221	5.59
Blue	E	FITC	17316	16732	-4	4.06	944	9.66
Blue	D	PE	22501	21834	-3	3.87	983	9.08
Blue	B	PerCP-Cy5-5	67647	67146	-1	4.20	1758	13.58
Blue	A	PE-Cy7	80682	80985	0	5.17	1065	24.77
Red	C	APC	64263	63195	-2	2.70	3561	8.32
Red	A	APC-Cy7	96129	94273	-2	2.74	1867	8.16
Violet	B	V450	11714	11282	-4	3.70	703	8.29
Violet	A	V500	48394	47328	-3	3.38	2681	6.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19572	4.54	595	6	N/A	N/A	Pass
Blue	F	SSC	61812	4.66	520	6	N/A	N/A	Pass
Blue	E	FITC	102	38.02	518	-2	0.0247	245	Pass
Blue	D	PE	202	25.83	513	-1	0.1600	145	Pass
Blue	B	PerCP-Cy5-5	213	40.02	608	1	0.0112	7	Pass
Blue	A	PE-Cy7	78	101.31	665	2	0.0153	18	Pass
Red	C	APC	333	27.14	585	0	0.0203	29	Pass
Red	A	APC-Cy7	118	38.12	565	0	0.0045	649	Pass
Violet	B	V450	75	41.01	458	2	0.0429	1589	Pass
Violet	A	V500	175	23.12	490	3	0.0135	368	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/01/2016 11:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.79	-31.21	0.80
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	16.04	13.28 - 19.92	N/A	N/A	31.51	32.01	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11994

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments